Washington State Department of Transportation (WSDOT) Research Workshop for Selected Topics July 27, 2006 Agenda

Meeting Purpose: To help WSDOT identify and assess potential research needs in the areas of environment, design safety and for the Washington State Ferries. (Allocation of Time for Discussion is estimated)

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Introductions		9:00
Overview of Meeting	Rhonda Brooks	
A. WSDOT Design Safety A-2 Barrier Design for Large Trucks A-3 Performance Measures for Safety Program A-4 In-Service Performance Analysis of Barrie A-5 Median Crossover Analysis Phase III A-6 Pedestrian Accidents A-7 Impact of Truck Safety Inspections on Acc A-8 Roadside Safety Hardware/Features and Fa	er Systems cidents atality Reduction	9:30
A-9Accident Frequency and Severity of Roadsi A-10 Subsurface Utility Engineering Other research ideas	ide Design	
B. WSF Operations	Melissa Johnson	11:00
B-1 Drive Around Analysis		
B. WSF Terminal Engineering	Tom Bertucci/Greg Trisko	11:15

High Priority

- B-2 Tidal Recurrence Charts
- B-2 Berthing Criteria Probabilistic Design and Field Verification
- B-2 Seismic Design Levels for Passenger and Vehicle Structures
- B-2 Pile Jetting Fish and Geotech Friendly

Medium Priority

- **B-3** Composite Piles
- B-3 Pile to Cap Connection Alternatives

Low Priority

B-4Local Wind and Wave Data

B-4 Scour Protection of Terminals Using Concrete Armor Units B-4 Effects of Ferry Induced Scour on Structures at WSF Terminals

Lunch Break

C. WSDOT Environment Issues

1:00

12:30

Washington State Ferries

Ellie Ziegler

- C-1 Effects of Pile driving on Marine Mammals
- C-1 Field Trial of Solar Tubes/Artificial Lighting for Eelgrass and Fish Migration
- C-1 Acoustic Tagging Study
- C-1 Stormwater Treatment at Ferry Docks

Other Research Ideas

Environmental Service Office

Mike Stephens
Paul Wagner
Rhonda Brooks
Rhonda Brooks
Paul Wagner
David Moore
Mia Waters

Other Research Ideas

Adjourn 4:00